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(54) Title: DETECTION OF DEMYELINATION

(57) Abstract: The present invention relates to a method for the detection of demyelination in a mammal, comprising providing an NMR spectrum of metabolites in a body fluid of an individual of said mammal in which demyelination is suspected and comparing said NMR spectrum with a difference profile, comprising a plurality of NMR spectral line positions, which express the normalized difference between one or more NMR spectra of metabolites in a body fluid of one or more healthy individuals of said mammal, and one or more corresponding NMR spectra of metabolites in a corresponding body fluid of one or more individuals of said mam-
mal in which demyelination has been diagnosed. The invention further relates to the said difference profile for the detection of demyelination in a mammal and to methods for the manufacture thereof. The invention also relates to a biomarker for detection of demyelination, in particular multiple sclerosis, characterized in that the biomarker is a polar head group of phosphoglyceride and to the use of that biomarker in detection of demyelination and multiple sclerosis.



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